

SNACK MACHINE mod. HYDRO-SNACK

Snack machine mod. HYDRO-SNACK is able to expand every kind of micro-pellets (potato, pulses, cereals...), grits and rice to transform them into delicious and healthy no fried snacks. These snacks could have different shapes (round, square, rectangular, triangular).

The mould's movement unit is hydraulic. This machine is completely adjustable from the 7" touch-screen panel, this way the customer can choose if producing softer or crunchier snacks.

Mould is built by a special tempered steel, coated with titanium nitride, suitable for food.

The operations, completely adjustable is made by a PLC Siemens



TECHNICAL FEATURES HYDRO-SNACK

- **INSTALLED POWER:** 15 Kw (220/400 V – 50-60 Hz)
- **CONSUMPTIONS:**
Electric power → average consumption per hour: 8-9 Kw/h
Compressed air → 120 NI/min – 6 bar

ADVANTAGES:

- **Reduction of the mould's flexion:**
A new pressing system has been designed and installed, in order to produce a uniform push on all the mould's area thanks to a new joint unit's project, stronger and more reliable.
- **Dosage:**
The machine is prepared for the dosage cup's cleaning, and for the blockage of the same, because are used smaller diameters. The cleaning frequency is programmable from the panel.
In addition to what mentioned above, it will be mounted 1 discharge channel for "process waste parts".
Moreover a dosage's multiplate system is installed in order to have a "0" leakage of the raw material during the production process.
- **No sound pollution device**
The no sound pollution device, is installed on the discharge of the compressed air used during the process, it has the function of reducing the noise, filtering and cleaning air from condensation, oils, and dusts in the work area. Requirement requested in the work hygenical and safety directive.
- **Cryogenical cleaning (OPTIONAL):**
ENGI TECHNOLOGIES makes available also a new and revolutionary cleaning system for the mould. It is frequently subjected to carbonized parts and to the crustification due to the high temperature process. Operations are realizable by customer's tehcnicians and can be operated in few minutes.
The mould's cryogenic cleaning can be done directly on the edge of the machine. This kind of cleaning can be done easier thanks to the 200 mm lower mould's opening system, solutions which has been designed and realized by ENGI TECHNOLOGIES.
- **Lower mould opening h 200 mm "EASY CLEANING" (OPTIONAL):**
This is an exclusive ENGI TECHNOLOGIES project. The new cleaning technology, which was described before, can be done better on the machines with the 200 mm mould's opening option, because the standard machines has the mould's opening about 50 mm, this means that this operation can be done but with some trouble more. The 200 mm opening option, is a function that can be used for the cryogenic cleaning and for the operation of extraordinary maintenance.